Ontario

Ministry of Natural Resources

Hon. Michael Harris
Minister

Mary Mogford
Deputy Minister

Ministry of Northern Affairs

Hon. Leo Bernier
Minister

David Hobbs
Deputy Minister

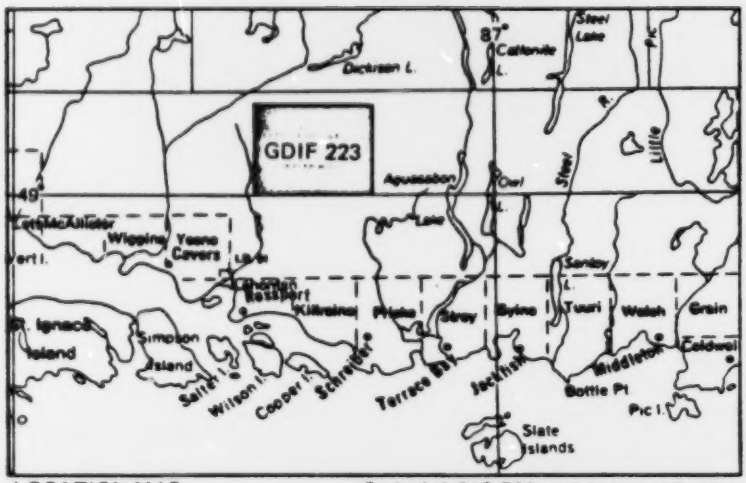
ONTARIO GEOLOGICAL SURVEY

GEOLOGICAL DATA INVENTORY FOLIO
GDIF 223

# ROPE LAKE AREA

DISTRICT OF THUNDER BAY

Compiled by the Staff of
the Resident Geologist's Office
Thunder Bay




LOCATION MAP

Scale 1:1 013 760 or 1 inch to 16 miles

86-0825/

NTS Number 42 E 3/SW

Mining Claim Map Number Rope Lake Area G-609

This project was funded by the Ministry of Northern Affairs (MNA).

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey
1985: Rope Lake Area, District of Thunder Bay; Ontario Geological Survey Geological Data Inventory Folio 223; compiled by the staff of the Resident Geologist's Office, Thunder Bay; 28 pages and 3 maps.

Original Compilation by: P. Perry

| Date | Page Revised | Revised by |
|---|---|---|
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| Date | Page Revised | Revised by |
|---|---|---|
| | | |

ROPE LAKE AREA

# TABLE OF CONTENTS


Data Sources Checklist . . . . . 1

Metals and Minerals Reference List . . . . . 2

Mineral Occurrences . . . . . 3

Type of Work . . . . . 4

Drill Hole Summary . . . . . 10

Airborne Geophysical Survey Data . . . . . 16

Geochemical Survey Data . . . . . 17

Miscellaneous Data . . . . . 18

Newspaper Clipping File . . . . . 19

ODM General Index Search . . . . . 20

Selected References . . . . . 24

Notes and Addenda . . . . . 28


## ACCOMPANYING MAPS


Property Location Map - 2

Exploration Data Map - 1

Map Scale 1: 31 680 or 1 inch to ½ mile

# CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

| CONVERSION FROM SI TO IMPERIAL | | | CONVERSION FROM IMPERIAL TO SI | | |
|---|---|---|---|---|---|
| *SI Unit* | *Multiplied by* | *Gives* | *Imperial Unit* | *Multiplied by* | *Gives* |
| | | | **LENGTH** | | |
| 1 mm | 0.039 37 | inches | 1 inch | **25.4** | mm |
| 1 cm | 0.393 70 | inches | 1 inch | **2.54** | cm |
| 1 m | 3.280 84 | feet | 1 foot | **0.304 8** | m |
| 1 m | 0.049 709 7 | chains | 1 chain | 20.116 8 | m |
| 1 km | 0.621 371 | miles (statute) | 1 mile (statute) | **1.609 344** | km |
| | | | **AREA** | | |
| 1 $cm^2$ | 0.155 0 | square inches | 1 square inch | **6.451 6** | $cm^2$ |
| 1 $m^2$ | 10.763 9 | square feet | 1 square foot | **0.092 903 04** | $m^2$ |
| 1 $km^2$ | 0.386 10 | square miles | 1 square mile | 2.589 988 | $km^2$ |
| 1 ha | 2.471 054 | acres | 1 acre | 0.404 685 6 | ha |
| | | | **VOLUME** | | |
| 1 $cm^3$ | 0.061 02 | cubic inches | 1 cubic inch | **16.387 064** | $cm^3$ |
| 1 $m^3$ | 35.314 7 | cubic feet | 1 cubic foot | 0.028 316 85 | $m^3$ |
| 1 $m^3$ | 1.308 0 | cubic yards | 1 cubic yard | 0.764 555 | $m^3$ |
| | | | **CAPACITY** | | |
| 1 L | 1.759 755 | pints | 1 pint | 0.568 261 | L |
| 1 L | 0.879 877 | quarts | 1 quart | 1.136 522 | L |
| 1 L | 0.219 969 | gallons | 1 gallon | **4.546 090** | L |
| | | | **MASS** | | |
| 1 g | 0.035 273 96 | ounces (avdp) | 1 ounce (avdp) | 28.349 523 | g |
| 1 g | 0.032 150 75 | ounces (troy) | 1 ounce (troy) | **31.103 476 8** | g |
| 1 kg | 2.204 62 | pounds (avdp) | 1 pound (avdp) | **0.453 592 37** | kg |
| 1 kg | 0.001 102 3 | tons (short) | 1 ton (short) | **907.184 74** | kg |
| 1 t | 1.102 311 | tons (short) | 1 ton (short) | **0.907 184 74** | t |
| 1 kg | 0.000 984 21 | tons (long) | 1 ton (long) | **1016.046 908 8** | kg |
| 1 t | 0.984 206 5 | tons (long) | 1 ton (long) | **1.016 046 908 8** | t |
| | | | **CONCENTRATION** | | |
| 1 g/t | 0.029 166 6 | ounce (troy)/ ton (short) | 1 ounce (troy)/ ton (short) | 34.285 714 2 | g/t |
| 1 g/t | 0.583 333 33 | pennyweights/ ton (short) | 1 pennyweight/ ton (short) | 1.714 285 7 | g/t |

**OTHER USEFUL CONVERSION FACTORS**

| | | |
|---|---|---|
| 1 ounce (troy)/ton (short) | 20.0 | pennyweights/ton (short) |
| 1 pennyweight/ton (short) | 0.05 | ounce (troy)/ton (short) |

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

# DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

| | SOURCES OF DATA | Data | Initial |
|---|---|---|---|
| 1 | Resident Geologist's Office Files | YES | P. JAN./85 |
| 2 | Assessment Files Research Office, Toronto | YES | P. JAN./85 |
| 3 | ODM General Index; 7 volumes | YES | P. JAN./85 |
| 4 | Catalogue of Airborne Geophysical Surveys (ODM) | YES | P. JAN./85 |
| 5 | ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars | YES | P. JAN./85 |
| 6 | ODM Industrial Mineral Reports | YES | P. JAN./85 |
| 7 | Bibliography of Post Precambrian Theses - Karrow (ODM MP 1) | | |
| 8 | Bibliography of Precambrian Theses - Ginn (ODM MP 2) | | |
| 9 | Newspaper Clippings File | YES | P. JAN./85 |
| 10 | GSC Index to Publications | YES | P. JAN./85 |
| 11 | OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77 | YES | P. JAN./85 |
| 12 | OGS Index Maps | PARTIAL | P. JAN./85 |
| 13 | Source Mineral Deposit Records (O.G.S.) | YES | P. JAN./85 |
| 14 | Author - Subject Articles File | YES | P. JAN./85 |
| 15 | Miscellaneous Papers: ODM & OGS | YES | P. JAN./85 |
| 16 | ODM Geological Circulars: OGS Study Series | NO | P. JAN./85 |
| 17 | ODM Preliminary Reports: ODM Bulletins | YES | P. JAN./85 |
| 18 | ODM – OGS Open File Reports | YES | P. JAN./85 |
| 19 | OGS Northern Ontario Engineering Geology Terrain Studies | YES | P. JAN./85 |
| 20 | OGS Aggregate Resources Inventory Papers | N.A. | P. JAN./85 |
| 21 | OGS Mineral Potential Maps | YES | P. JAN./85 |

# METALS AND MINERALS REFERENCES LIST

- △ anh. . . . . Anhydrite
- △ ank. . . . . Ankerite
- △ anna . . . . . Annabergite
- △ ap. . . . . Apatite
- △ arg . . . . . Argentite
- △ As . . . . . Arsenic
- △ asp . . . . . Arsenopyrite
- △ asb . . . . . Asbestos
- △ ba. . . . . Barite
- △ be. . . . . Beryl
- △ Bi. . . . . Bismuth
- △ bn . . . . . Bornite
- △ bran . . . . . Brannerite
- △ bruc . . . . . Brucite
- △ Cd . . . . . Cadmium
- △ calc. . . . . Calcite
- △ carb . . . . . Carbonate
- △ cel . . . . . Celestite
- △ cc. . . . . Chalcocite
- △ cp. . . . . Chalcopyrite
- △ ch. . . . . Chert
- △ clay . . . . . Clay
- △ Co . . . . . Cobalt
- △ cob. . . . . Cobaltite
- △ cb. . . . . Columbite
- ▲ Cu . . . . . Copper
- △ cor . . . . . Corundum
- △ dol . . . . . Dolomite
- △ ep. . . . . Epidote
- △ ery . . . . . Erythrite
- △ fel . . . . . Feldspar
- △ fl . . . . . Fluorite (flurospar)
- △ fu. . . . . Fuchsite
- △ gn. . . . . Galena
- △ gt. . . . . Garnet
- △ goe . . . . . Goethite
- ▲ Au . . . . . Gold
- △ gf . . . . . Graphite
- △ gl . . . . . Gravel
- △ gyp. . . . . Gypsum
- △ hem . . . . . Hematite
- △ il . . . . . Ilmenite
- △ Fe . . . . . Iron
- △ IF. . . . . Iron Formation
- △ jas . . . . . Jasper
- △ kaol . . . . . Kaolinite (kaolin)
- △ ky . . . . . Kyanite
- △ Pb . . . . . Lead
- △ lim . . . . . Limonite
- △ Li. . . . . Lithium
- △ mgst . . . . . Magnesite
- △ mag . . . . . Magnetite
- △ mc . . . . . Malachite
- △ Mn . . . . . Manganese
- △ mb . . . . . Marble
- △ mar. . . . . Marcasite
- △ ma . . . . . Marl
- △ mi . . . . . Mica
- △ ml . . . . . Millerite
- △ mo . . . . . Molybdenite
- ▲ Mo . . . . . Molybdenum
- △ mon . . . . . Monazite
- △ ne. . . . . Nephelite (nepheline)
- △ nc. . . . . Niccolite
- △ Ni. . . . . Nickel
- △ Nb . . . . . Niobium
- △ Pd . . . . . Palladium
- △ peat . . . . . Peat
- △ pent . . . . . Pentlandite
- △ Pt. . . . . Platinum
- △ py . . . . . Pyrite
- △ pyl . . . . . Pyrochlore
- △ pyrl . . . . . Pyrolusite
- △ po . . . . . Pyrrhotite
- △ q . . . . . Quartz
- △ qcv . . . . . Quartz carbonate vein
- △ ra. . . . . Radioactive minerals
- △ RE . . . . . Rare Earths
- △ sd. . . . . Sand
- △ sgl . . . . . Sand and gravel
- △ ss . . . . . Sandstone
- △ scap . . . . . Scapolite
- △ shee . . . . . Scheelite
- △ serp . . . . . Serpentine
- △ sh. . . . . Shale
- △ sid . . . . . Siderite
- △ si . . . . . Silica
- ▲ Ag . . . . . Silver
- △ sl . . . . . Slate
- △ sm . . . . . Smaltite
- △ sod . . . . . Sodalite
- △ spec . . . . . Specularite
- △ sp. . . . . Sphalerite
- △ spd . . . . . Spodumene
- △ staur . . . . . Staurolite
- △ stib. . . . . Stibnite
- △ st . . . . . Stone
- △ talc. . . . . Talc
- △ Te . . . . . Tellurium
- △ td. . . . . Tetrahedrite
- △ th. . . . . Thorite
- △ Th . . . . . Thorium
- △ thuc . . . . . Thucholite
- △ ti . . . . . Titanite
- △ Ti. . . . . Titanium
- △ tour . . . . . Tourmaline
- △ trap . . . . . Trap rock
- ▲ W. . . . . Tungsten
- △ uran . . . . . Uraninite
- △ U . . . . . Uranium
- △ verm . . . . . Vermiculite
- △ Y . . . . . Yttrium
- ▲ Zn . . . . . Zinc
- △ zr . . . . . Zircon

**Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.**

# MINERAL OCCURRENCES

| Map Ref. Letter | Name(s) | Mineralization | Source Mineral Deposit Record | References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports | Additional References and/or Remarks |
|---|---|---|---|---|---|
| A | Beaver (McQuaig) | Au, Ag | 1776 | MRC 13, p. 290 | OGS 1964, GR 27, p. 23 |
| B | Burstrom | Cu, Mo, Ag, Au | | MRC 10, p. 80<br>MRC 12, p. 348 | OGS 1964, GR 27, pp. 23-24 |
| C | Church (Kinasco, KRNO) | Au, Ag, Zn | 1777 | MRC 10, p. 80<br>MRC 13, p. 290 | OGS 1964, GR 27, p. 25 |
| D | Coco-Estelle | Au, W | 1779 | MRC 13, p. 291 | OGS 1964, GR 27, pp. 29-30 |
| E | Dalsland | Zn | | MRC 12, p. 348 | OGS 1964, GR 27, p. 31 |
| F | Estell[1] | Au | | | OGS 1964, GR 27, pp. 31-33 |
| G | Fisher | Au | | MRC 13, p. 301 | OGS 1964, GR 27, p. 34 |
| H | Gray[2] | Au | 1778 | MRC 13, p. 301 | OGS 1964, GR 27, pp. 34-35 |
| I | Madson | Au | 2197 | MRC 13, p. 301 | OGS 1964, GR 27, p. 37 |
| J | Sjolander-McKirdy | Au | 2198 | MRC 13, p. 301 | OGS 1964, GR 27, p. 38 |

Notes:
1. Shaft location uncertain, depth unknown.
2. Also plotted 42 E 3/SE - Upper Aguasabon Lake Sheet.

GDIF FORM NO. 1

| TYPE OF WORK | | Numbers below represent the year in which the work was done; e.g., 68 for 1968. | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE | COMPANY/AUTHOR (file number) | GEOLOGICAL | GEOCHEMICAL | TRENCHING, STRIPPING | DRILLING | ASSAY DATA | UNDERGROUND WORK | PROSPECTUS, NOTES, CORRESPONDENCE | AIRBORNE MAGNETOMETER | AIRBORNE ELECTROMAGNETIC | AIRBORNE RADIOMETRIC | GROUND MAGNETOMETER | GROUND ELECTROMAGNETIC | GROUND RADIOMETRIC | INDUCED POLARIZATON | SELF POTENTIAL | RESISTIVITY | REPORT | | |
| 1 | Authier, C. (Canabel Syndicate) F.N.: 63.829 | 57 | | | 58 | | | | | | | | 57 | | | | | 58 | | |
| 2 | Bathhurst-Maritimes Mining Corporation F.N.: 63.531 | 54[1] | | | | | | | | | | | 54[1] | | | | | 51[1] 54[1] | | |
| 3 | Burstrom, C. G. | | | | | | | | | | | | | | | | | 16 | | |
| 4 | Canabel Syndicate (Valmont Mining Explorations Limited - West Group) F.N.: 63.942 | 57 | | | | | | | | | | | 57 | | | | | 57 | | |
| 5 | Canabel Syndicate (Valmont Mining Explorations Limited - East Group) F.N.: 63.942 | 57 | | | | | | | | | | | 57 | | | | | 57 | | |
| 6 | Ciglen, S. (South Pine Lake Group) | 52[2] | | | | | | | | | | | | | | | | | | |
| 7 | Ciglen, S. (Burslem Lake Group) | 52 | | | | | | | | | | | | | | | | | | |
| 8 | Ciglen, S. (Northwest Group) | 52 | | | | | | | | | | | | | | | | | | |

GDIF FORM NO. 2

| TYPE OF WORK | | Numbers below represent the year in which the work was done;e.g., 68 for 1968. | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE | | GEOLOGICAL | GEOCHEMICAL | TRENCHING, STRIPPING | DRILLING | ASSAY DATA | UNDERGROUND WORK | PROSPECTUS, NOTES, CORRESPONDENCE | AIRBORNE MAGNETOMETER | AIRBORNE ELECTROMAGNETIC | AIRBORNE RADIOMETRIC | GROUND MAGNETOMETER | GROUND ELECTROMAGNETIC | GROUND RADIOMETRIC | INDUCED POLARIZATON | SELF POTENTIAL | RESISTIVITY | | | |
| COMPANY/AUTHOR (file number) | | | | | | | | | | | | | | | | | | | | |
| 9 | Corporation Falconbridge Copper F.N.: 2.6047 | | | | | | | | | 82[1] | | | | | | | | | | |
| 10 | Corporation Falconbridge Copper F.N.: 2.5394 | | | | | | | | 82[1] | | | | | | | | | | | |
| 11 | Corporation Falconbridge Copper F.N.: 2.5394 | | | | | | | | 82[1] | | | | | | | | | | | |
| 12 | Corporation Falconbridge Copper F.N.: 2.5394 | | | | | | | | 82[1] | | | | | | | | | | | |
| 13 | Corporation Falconbridge Copper F.N.: 2.5394 | | | | | | | | 82[1] | | | | | | | | | | | |
| 14 | Corporation Falconbridge Copper F.N.: 2.3158, 2.5926 | 79[1] | 79[1] | | | | | | | | | 79[1] | 79[1] | | | | | | | |
| 15 | Corporation Falconbridge Copper F.N.: 2.6770 | | | | 84 | | | | | | | 84[3] | 84[3] | | | | | | | |

GDIF FORM NO. 2

| TYPE OF WORK | | Numbers below represent the year in which the work was done;e.g., 68 for 1968. | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE | | GEOLOGICAL | GEOCHEMICAL | TRENCHING, STRIPPING | DRILLING | ASSAY DATA | UNDERGROUND WORK | PROSPECTUS, NOTES, CORRESPONDENCE | AIRBORNE MAGNETOMETER | AIRBORNE ELECTROMAGNETIC | AIRBORNE RADIOMETRIC | GROUND MAGNETOMETER | GROUND ELECTROMAGNETIC | GROUND RADIOMETRIC | INDUCED POLARIZATON | SELF POTENTIAL | RESISTIVITY | REPORT | AIR PHOTO INTERPRETATION | |
| COMPANY/AUTHOR (file number) | | | | | | | | | | | | | | | | | | | | |
| 16 | Corporation Falconbridge Copper F.N.: 2.6769 | | 84[1] | | | | | | | | | | | | | | | | | |
| 17 | Corporation Falconbridge Copper (Noranda Exploration Company Limited) | | | 83<br>84 | | | | | | | | | | | | | | | | |
| 18 | Kinasco Exploration & Mining Limited (R. Janes Property) | | | | 57 | 57 | | | | | | | | | | 57[4] | | | | |
| 19 | KRNO Mines Limited (Keevil Mining Group) | 59 | | | 59<br>60 | 59<br>60 | | 60 | | | | | | | | 60 | | 59 | 60 | |
| 20 | Lacana Mining Corporation/ Flintrock Mines Limited F.N.: 2.5683, 2.5693, 2.5710 | | | | | | | | 83 | 83 | | | | | | | | | | |
| 21 | McDounough, Joseph | 54[5] | | | | | | | | | | | | | | | | | | |
| 22 | Mid-North Engineering Limited | | | | 75 | | | | | | | | | | | | | | | |
| 23 | Noranda Exploration Company Limited F.N.: 2.5763 | | | | | | | | 83[3] | 83[3] | | | | | | | | | | |

GDIF FORM NO. 2

| TYPE OF WORK | | Numbers below represent the year in which the work was done;e.g., 68 for 1968. | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE | COMPANY/AUTHOR (file number) | GEOLOGICAL | GEOCHEMICAL | TRENCHING, STRIPPING | DRILLING | ASSAY DATA | UNDERGROUND WORK | PROSPECTUS, NOTES, CORRESPONDENCE | AIRBORNE MAGNETOMETER | AIRBORNE ELECTROMAGNETIC | AIRBORNE RADIOMETRIC | GROUND MAGNETOMETER | GROUND ELECTROMAGNETIC | GROUND RADIOMETRIC | INDUCED POLARIZATON | SELF POTENTIAL | RESISTIVITY | | | |
| 24 | Noranda Exploration Company Limited F.N.: 2.5763 | | | | | | | | 83[3] | 83[3] | | | | | | | | | | |
| 25 | Noranda Exploration Company Limited F.N.: 2.5952 | | | | | | | | 83[3] | | | | | | | | | | | |
| 26 | Noranda Exploration Company Limited (Gray Option) F.N.: 2.4146, 2.4624, 2.4842, 2.4933, 2.5288, 2.5434 | 82[1] | 82[1] | | | 81[1] 82[1] | | | | | | 81[1] 82[1] | 82[1] | | 82[1] | | | | | |
| 27 | Noranda Exploration Company Limited (Shy Lake Property) F.N.: 2.4034, 2.5057 | 81 | 81 | | | | | | | | | 82 | 82 | | | | | | | |
| 28 | Noranda Exploration Company Limited (Carib Lake Property) F.N.: 2.3365 | | | | | | | | | | | 79 | 79 | | | | | | | |
| 29 | Noranda Exploration Company Limited (Sandridge Lake Property) F.N.: 2.7109, 2.7341 | 84 | | | | | | | | | | 84 | | | | | | | | |

GDIF FORM NO. 2

| TYPE OF WORK | | Numbers below represent the year in which the work was done;e.g., 68 for 1968. | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE | | | | | | | | | | | | | | | | | | | | |
| | COMPANY/AUTHOR (file number) | GEOLOGICAL | GEOCHEMICAL | TRENCHING, STRIPPING | DRILLING | ASSAY DATA | UNDERGROUND WORK | PROSPECTUS, NOTES, CORRESPONDENCE | AIRBORNE MAGNETOMETER | AIRBORNE ELECTROMAGNETIC | AIRBORNE RADIOMETRIC | GROUND MAGNETOMETER | GROUND ELECTROMAGNETIC | GROUND RADIOMETRIC | INDUCED POLARIZATON | SELF POTENTIAL | RESISTIVITY | | | |
| 30 | Ram Petroleums Limited F.N.: 2.702 | | | | | | | | | | | | | | 71 | | | | | |
| 31 | Sandenise Gold Mines Limited | | | | | 45 | | | | | | | | | | | | | | |
| 32 | Selco Mining Corporation Limited F.N.: 2.2915 | | | | | | | | | | | 79[6] | 79[6] | | | | | | | |
| 33 | Selco Mining Corporation Limited F.N.: 2.2915 | | | | | | | | | | | 79[6] | 79[6] | | | | | | | |
| 34 | Selco Mining Corporation Limited F.N.: 2.2915 | | | | | | | | | | | 79[6] | 79[6] | | | | | | | |
| 35 | Selco Mining Corporation Limited F.N.: 2.2915 | | | | | | | | | | | 79[6] | 79[6] | | | | | | | |
| 36 | Selco Mining Corporation Limited F.N.: 2.2958 | | | | 79 | | | | | | | 79 | 79 | | | | | | | |
| 37 | Selco Mining Corporation Limited F.N.: 2.2958 | | | | | | | | | | | 79 | 79 | | | | | | | |

GDIF FORM NO. 2

| TYPE OF WORK | | Numbers below represent the year in which the work was done; e.g., 68 for 1968. | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE | | GEOLOGICAL | GEOCHEMICAL | TRENCHING, STRIPPING | DRILLING | ASSAY DATA | UNDERGROUND WORK | PROSPECTUS, NOTES, CORRESPONDENCE | AIRBORNE MAGNETOMETER | AIRBORNE ELECTROMAGNETIC | AIRBORNE RADIOMETRIC | GROUND MAGNETOMETER | GROUND ELECTROMAGNETIC | GROUND RADIOMETRIC | INDUCED POLARIZATON | SELF POTENTIAL | RESISTIVITY | | | |
| COMPANY/AUTHOR (file number) | | | | | | | | | | | | | | | | | | | | |
| 38 | Selco Mining Corporation Limited F.N.: 2.2958 | | | | 79 | | | | | | | 79 | 79 | | | | | | | |
| 39 | Stratmat Limited | | | | 55[1] | | | | | | | | 54[1] | | | | | | | |
| 40 | United Montauban Mines Limited F.N.: 63.535 | | | | | | | | | | | | | | | | | | | |
| 41 | Zacks, S. J. (Magnet Consolidated Mines Limited) | | | | 51[1], 7 | | | | | | | | | | | | | | | |

Notes:

1. Filed 42 D 14/NW.
2. Filed 42 E 3/SE.
3. Filed 42 D 14/NE.
4. Map only - no report.
5. Report only.
6. Filed 42 E 4/SE.
7. Borderline D.D.H.'s, also plotted on Pays Plat Sheet - 42 D 14/NW.

GDIF FORM NO. 2

# DRILLHOLE SUMMARY

| Map Drilling Location Number | Company Name | Company Drillhole Number | Date Drilled | Bearing Azimuth | Initial Dip of Hole | Thickness of Overburden (feet) | Total Length of Hole (feet) | Mineralization Noted in Log | Assay Data Included for |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Authier, C. (Canabel Syndicate) | 1 | March/58 | 000° | -90° | 3.0 | 501.0 | ep, gt, mag, sp, po | |
| 2 | " " | 2 | April/58 | 180° | -45° | 23.0 | 368.0 | gt, ep, py, po, mag | |
| 3 | " " | 3 | " | 180° | -40° | 8.0 | 421.0 | gt, mag | |
| 4 | " " | 4 | June/58 | 180° | -45° | 4.0 | 306.0 | gf, py, gt, po, cp, mag | |
| 5 | " " | 5 | " | 180° | -45° | 4.0 | 346.0 | gt, py, po | |
| | | | | | | (metres) | (metres) | | |
| 6 | Corporation Falconbridge Copper | BD-4 | March/84 | 180° | -50° | 2.7 | 252.0 | ep, py, gt, cp, fl, hem, ch | |
| 7 | " " | BD-11 | " | 180° | -50° | 2.0 | 207.0 | mag, py, po, ep, cp, sp, gn | |
| 8 | " " | BD-12 | " | 180° | -45° | 4.3 | 159.0 | ep, sp, py, po, mag | |
| 9 a | " " | BD-10 | " | 180° | -50° | 0.9 | 204.0 | py, po, ep, cp, mag | |
| b | " " | BD-14 | " | 180° | -45° | 2.2 | 114.0 | py, sp, po, ep, cp | |
| c | " " | BD-15 | " | 180° | -45° | 1.6 | 147.0 | ep, py, po, cp, sp, mag | |

GDIF FORM NO. 3

# DRILLHOLE SUMMARY

| Map Drilling Location Number | Company Name | Company Drillhole Number | Date Drilled | Bearing Azimuth | Initial Dip of Hole | Thickness of Overburden (metres) | Total Length of Hole (metres) | Mineralization Noted in Log | Assay Data Included for |
|---|---|---|---|---|---|---|---|---|---|
| 10 a | Corporation Falconbridge Copper | BD-13 | March/84 | 180° | -60° | 5.0 | 234.0 | py, ep, mag, cp, sp, po | |
| b | " " | BD-16 | April/84 | 180° | -65° | 1.7 | 294.0 | ep, gt, py, sp, gn, po, cp | |
| 11 a | " " | BD-5 | March/84 | 180° | -60° | 4.0 | 246.0 | py, po, cp, ep, cp, mo | |
| b | " " | BD-4 | " | 180° | -70° | 2.8 | 255.0 | py, po, cp, ep, sp, mag, ch | |
| 12 a | " " | BD-3 | " | 180° | -45° | 2.1 | 123.0 | py, po, cp, gt, ep, sp | |
| b | " " | BD-17 | April/84 | 180° | -65° | 3.0 | 192.0 | py, po, sp, cp, ep, cp, hem, gn | |
| 13 | " " | BD-2 | March/84 | 180° | -50° | 2.8 | 174.0 | gt, ep, py, po, sp, cp | |
| | | | | | | (feet) | (feet) | | |
| 14 a | Kinasco Exploration & Mining Limited | 1 | Aug./57 | 340° | -45° | 4.0 | 102.0 | | |
| b | " " | 2 | " | 180° | -45° | - | 59.0 | | Au, Ag |
| 15 a | " " | 6 | Sept./57 | 130° | -45° | - | 87.0 | | Au, Ag |
| b | " " | 7 | " | 360° | -60° | - | 83.0 | | Au |
| 16 a | KRNO Mines Limited | C-1 | Aug./59 | 152° | -45° | - | 171.0 | carb, py | Au, Ag |

GDIF FORM NO. 3

# DRILLHOLE SUMMARY

| Map Drilling Location Number | Company Name | Company Drillhole Number | Date Drilled | Bearing Azimuth | Initial Dip of Hole | Thickness of Overburden (feet) | Total Length of Hole (feet) | Mineralization Noted in Log | Assay Data Included for |
|---|---|---|---|---|---|---|---|---|---|
| 16 b | KRNO Mines Limited | C-3 | Sept./59 | 158° | -46° | - | 163.0 | | Au |
| c | " " " | C-4 | " | 165° | -46° | - | 173.5 | py | Au |
| d | " " " | C-5 | " | 165° | -45° | - | 193.0 | py, cp | Au, Ag |
| e | " " " | C-6 | Oct./59 | 165° | -40° | - | 139.0 | | Au |
| f | " " " | C-7 | " | 165° | -38° | - | 163.0 | py | Au |
| g | " " " | C-8 | Nov./59 | 168° | -55° | 5.0 | 166.5 | carb, py | Au |
| h | " " " | C-9 | " | 168° | -40° | - | 197.0 | | Au |
| i | " " " | C-10 | " | 168° | -52° | 4.5 | 137.0 | carb, py | Au, Ag |
| j | " " " | C-11 | " | 168° | -55° | 4.0 | 297.0 | | Au |
| k | " " " | C-12 | " | 168° | -55° | 8.0 | 340.0 | py | Au |
| l | " " " | C-13 | " | 168° | -55° | 4.0 | 267.0 | | Au, Ag |
| m | " " " | C-14 | Dec./59 | 168° | -55° | - | 289.0 | po, py | Au |
| n | " " " | CH-16 | June/60 | 000° | -90° | 3.5 | 198.0 | py, sp | Au |
| o | " " " | CH-20 | " | 175° | -70° | 4.5 | 502.0 | py, po | Au |
| p | " " " | CH-21 | ? | 168° | -52° | 8.0 | 298.0 | py | Au |
| q | " " " | KM-26 | Sept./60 | 175° | -60° | 5.0 | 396.0 | carb, py, cp, po | Au, Ag |
| r | " " " | KM-27 | " | 175° | -60° | 2.0 | 432.0 | py, cp, po | Au, Ag |

GDIF FORM NO. 3

# DRILLHOLE SUMMARY

| Map Drilling Location Number | Company Name | Company Drillhole Number | Date Drilled | Bearing Azimuth | Initial Dip of Hole | Thickness of Overburden (feet) | Total Length of Hole (feet) | Mineralization Noted in Log | Assay Data Included for |
|---|---|---|---|---|---|---|---|---|---|
| 16 s | KRNO Mines Limited | KM-28 | Sept./60 | 175° | -60° | 5.0 | 431.5 | carb, py | Au |
| t | " " " | KM-29 | " | 175° | -60° | 1.5 | 460.0 | py, po, cp, sp | Au |
| u | " " " | KM-30 | " | 175° | -60° | 10.0 | 404.0 | py, sp, po, cp | Au |
| v | " " " | KM-40 | Oct./60 | 175° | -55° | 5.0 | 266.0 | carb, py | Au |
| 17 a | " " " | W-1 | Dec./59 | 156° | -38° | 9.0 | 222.0 | carb, py, sp | Au |
| b | " " " | W-2 | " | 136° | -42° | 5.0 | 539.0 | sp, py, po, cp | |
| c | " " " | CH-17 | ?/60 | 165° | -80° | 5.0 | 397.0 | carb, py, cp | Au |
| d | " " " | CH-18 | June/60 | 175° | -80° | 5.0 | 227.0 | py, po, cp, sp | Au |
| e | " " " | CH-19 | " | 165° | -70° | 5.5 | 251.0 | py, po | Au |
| f | " " " | KM-31 | Sept./60 | 175° | -45° | 0.5 | 240.0 | py | Au |
| g | " " " | KM-33 | Oct./60 | 175° | -60° | 7.0 | 748.0 | carb, py, cp | Au |
| h | " " " | KM-32 | Sept./60 | 188° | -65° | 1.5 | 397.0 | py, po, cp, sp | Au |
| i | " " " | KM-34 | Oct./60 | 175° | -45° | 7.0 | 272.0 | carb, py, cp | Au |
| j | " " " | KM-35 | " | 175° | -60° | 7.0 | 570.0 | carb, po, py | Au |
| k | " " " | KM-36 | " | 171° | -60° | 8.0 | 409.0 | carb, py, sp | Au |
| l | " " " | KM-37 | " | 175° | -60° | 8.0 | 358.0 | py, po, sp | Au |
| m | " " " | KM-38 | " | 175° | -60° | 10.0 | 380.0 | carb, py, po | Au |

GDIF FORM NO. 3

# DRILLHOLE SUMMARY

| Map Drilling Location Number | Company Name | Company Drillhole Number | Date Drilled | Bearing Azimuth | Initial Dip of Hole | Thickness of Overburden (feet) | Total Length of Hole (feet) | Mineralization Noted in Log | Assay Data Included for |
|---|---|---|---|---|---|---|---|---|---|
| 17 n | KRNO Mines Limited | KM-39 | Oct./60 | 175° | -60° | 7.0 | 157.0 | py, carb | Au |
| o | " " " | KM-41 | " | 175° | -60° | 12.5 | 145.0 | carb, py | Au |
| p | " " " | KM-42 | " | 259° | -45° | 3.0 | 330.0 | py, po, cp | Au |
| q | " " " | KM-43 | " | 175° | -45° | 15.0 | 177.0 | py, carb | Au |
| 18 | " " " | CH-22 | July/60 | ? | ? | 9.0 | 236.0 | cp, mo, py | Au |
| 19 a | " " " | CH-5-1 | June/60 | 140° | -60° | - | 73.0 | py | |
| b | " " " | CH-5-2 | July/60 | 100° | -60° | - | 73.0 | py, sp | |
| 20 a | Mid-North Engineering Limited | T75-1 | Sept./75 | 165° | -45° | 2.4 | 229.0 | py, po, cp, sp, ep | Au, Ag |
| b | " " " | T75-2 | " | 165° | -45° | 4.0 | 342.0 | py, ep, cp, gn | Au, Ag |
| c | " " " | T75-3 | Oct./75 | 165° | -45° | 6.0 | 304.0 | py, cp, ep | Au |
| d | " " " | T75-4 | " | 165° | -45° | 5.0 | 250.0 | py, ep, cp | Au |
| 21 | " " " | T75-5 | " | 165° | -45° | 4.0 | 208.0 | py, ep, po, sp, gn, cp | Au |
| | | | | | | (metres) | (metres) | | |
| 22 | Selco Mining Corp. Ltd. | 227 12-B-1 | March/79 | 340° | -50° | 3.28 | 66.44 | gt, po, py | |
| 23 | " " " " | 227 11-B-1 | " | 030° | -50° | 4.3 | 96.3 | gt, po, py, cp | |

GDIF FORM NO. 3

# DRILLHOLE SUMMARY

| Map Drilling Location Number | Company Name | Company Drillhole Number | Date Drilled | Bearing Azimuth | Initial Dip of Hole | Thickness of Overburden (feet) | Total Length of Hole (feet) | Mineralization Noted in Log | Assay Data Included for |
|---|---|---|---|---|---|---|---|---|---|
| 24 | Stratmat Limited | 16-2 | April/55 | 150° | -45° | 15.0 | 654.0 | py, mo, talc, Cu, mag | |
| 25 | " " | 16-3 | " | 150° | -45° | 23.0 | 1006.0 | py, Cu, mo, mag, fl, ba, ep | |
| 26 a | Zacks, S. J. | 1 | Feb./51 | 131° | -45° | 11.5 | 251.0 | ep, py, sp | |
| b | " " | 2 | " | 311° | -50° | 16.0 | 364.0 | py, sp, ep, cp, gn | |
| c | " " | 7 | March/51 | 106° | -45° | 9.0 | 257.0 | py, po, gn | |

GDIF FORM NO. 3

# GEOCHEMICAL SURVEY DATA

| Map Sample Site Reference Number | Type of Survey | Analysis For | By | Reference |
|---|---|---|---|---|
| 1 | Lithogeochemical | Zn, Cu | Coporation Falconbridge Copper F.N.: 2.5926 | Resident Geologist's Assessment Files, Thunder Bay |
| 2 | Lithogeochemical | Zn | Corporation Falconbridge Copper F.N.: 2.6769 | Resident Geologist's Assessment Files, Thunder Bay |
| 3 | Humic | Zn, Cu, Au | Noranda Exploration Company Limited F.N.: 2.5288 | Resident Geologist's Assessment Files, Thunder Bay |
| 4 | Soil Geochemistry (A & B Horizons) | Zn, Ni, Cu | Noranda Exploration Company Limited F.N.: 2.4034 | Resident Geologist's Assessment Files, Thunder Bay |

GDIF FORM NO. 5

# MISCELLANEOUS DATA

## AGE DATING

| Site | Method | Material | Reference | Result |
|---|---|---|---|---|
| | | | | |

GDIF FORM NO. 6

# NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office. Thunder Bay

Corporation Falconbridge Copper

Flintrock Mines Limited

Kinasco Exploration & Mining Limited

Lacana Mining Corporation

Mid-North Engineering Limited

Noranda Exploration Company Limited

Selco Mining Corporation Limited

Stratmat Limited

Valmont Mining Explorations Limited

# ODM GENERAL INDEX SEARCH

**Words searched:** Big Duck Lake, Burslem Lake, Burstrom, C. G., Cable Lake, Canabel Syndicate, Carib Lake, Chance Lake, Church Deposit, Coco-Estelle Deposit, KRNO Mines Limited, Northline Lake, Northpine Lake, Rope Lake, Stratmat Limited

| Index Volume | Listing: | Report Volume | Part | Page |
|---|---|---|---|---|
| 1 | Big Duck Lake, North of Schreiber | | | |
| | Gold, report by Hopkins | 24 | 1 | 9-11 |
| | Map of country south of, facing | 24 | 1 | 12 |
| | Molybdenite | 25 | 1 | 20 |
| | Nickel | 23 | 1 | 48, 110 |
| | Rocks compared with Kowkash gold | 25 | 1 | 268 |
| | Area | Bull. | 27 | 9 |
| | Burstrom Gold Mine, Big Duck Lake | 24 | 1 | 12 |
| | Coco-Estell Gold Claim, Little Duck Lake | 24 | 1 | 12 |
| 2 | Big Duck Lake, North of Schreiber | | | |
| | Copper and gold, | 26 | | 21 |
| | | 30 | 4 | 19-23 |
| | Discovery | 30 | 2 | 4 |
| | Mining | 30 | 2 | 39 |
| | Fish absent | 30 | 4 | 3 |
| | Map of area. See map 30a with | 30 | 4 | |
| | Photo | 30 | 4 | 19 |
| | Report of area | 30 | 4 | 1-26 |
| | Veins, mineralization | 26 | | 289, 299 |
| | Waterpower | 30 | 4 | 3 |
| | Big Duck Lake Mining Company | | | |
| | Capital and date of charter | 27 | 1 | 70 |
| | Burstrom Copper Claim, West of Big Duck Lake | | | |
| | Development; rock; value, | 30 | 4 | 23 |
| | Rope Lake, South of Nickel Lake, Thunder Bay District | | | |
| | Graphite; rocks | 30 | 4 | 4-6 |
| 3 | Big Duck-Aguasabon Lakes Area, Thunder Bay District | | | |
| | Geology, report on, by M. W. Bartley | 49 | 7 | 1-11 |

GDIF FORM NO. 8

# ODM GENERAL INDEX SEARCH

Words searched:

| Index Volume | Listing: | Report Volume | Part | Page |
|---|---|---|---|---|
| 3 | Big Duck Lake, North of Schreiber | | | |
| | Copper near | 49 | 7 | 2, 11 |
| | Gold, discovery | 49 | 7 | 2 |
| | Mg. properties | 49 | 7 | 8-10 |
| | Burslem Lake, Northwest of Big Duck Lake | | | |
| | Rocks near, | 49 | 7 | 6 |
| | Burstrom Copper Claims, Big Duck Lake | | | |
| | Mineralization | 49 | 7 | 11 |
| | Rope Lake, Northwest of Big Duck Lake | | | |
| | Granite | 49 | 7 | 6 |
| 7 | Big Duck Lake, Thunder Bay District | | | |
| | Mineral deposits | GR 27 | | 18, 21 |
| | Reports on | GR 27 | | 23, 31, 33, 34 |
| | Big Duck Lake Area, Thunder Bay District | | | |
| | Report on mineral deposits, by E. G. Pye | GR 27 | | |
| | Burstrom Copper-Gold Deposit | | | |
| | Big Duck Lake; report and plan | GR 27 | | 22-24 |
| | Cable Lake, Big Duck Lake area | | | |
| | Breccia, photo | GR 27 | | 8 |
| | Zinc deposit near | GR 27 | | 31 |
| | Church Deposits, Big Duck Lake area | | | |
| | Report on | GR 27 | | 25 |
| | Coco-Estelle Gold Deposit, Big Duck Lake | | | |
| | Report and plan | GR 27 | | 28-30 |
| | KRNO Mines Limited | | | |
| | Big Duck Lake area: | | | |
| | Drilling by | GR 27 | | 30, 33, 38 |

# ODM GENERAL INDEX SEARCH

Words searched:

| Index Volume | Listing: | Report Volume | Part | Page |
|---|---|---|---|---|
| 7 | Properties acquired | GR 27 | | 23-25, 29, 31, 34 |
| | Stratmat Limited | | | |
| | Exploration work on Estell deposit | GR 27 | | 33 |
| | Mining properties: | | | |
| | Big Duck Lake | MRC 2 | | 63 |
| 8 | Big Duck Lake area, Thunder Bay District | | | |
| | Copper | MRC 12 | | 329 |
| | Copper/Zinc/Lead | MRC 12 | | 321-324 |
| | Gold/Silver | MRC 13 | | 290-291 |
| | Molybdenum | MRC 7 | | 71-72 |
| | Pyrite | MRC 5 | | 58 |
| | Silver | MRC 10 | | 79, 80 |
| | Big Duck Lake Occurrences | | | |
| | Big Duck Lake area, Thunder Bay District | | | |
| | Mining property, report on | MRC 11 | | 426 |
| | Burstrom Occurrence | | | |
| | Big Duck Lake area, Thunder Bay District | | | |
| | Mining property, report on | MRC 7 | | 72 |
| | | MRC 12 | | 329 |
| | Chance Lake | | | |
| | Dickison Lake area, Thunder Bay District | GR 123 | | 15 |
| | Church Prospect | | | |
| | Big Duck Lake area, Thunder Bay District | MRC 13 | | 290-291 |
| | Coco-Estell Prospect | | | |
| | Big Duck Lake area, Thunder Bay District | | | |
| | Mining property, report on | MRC 13 | | 291 |
| | Northline Lake | | | |
| | Dickison Lake area, Thunder Bay District | GR 123 | | 8, 13 |



GDIF FORM NO. 8

# ODM GENERAL INDEX SEARCH

Words searched:

| Index Volume | Listing: | Report Volume | Part | Page |
|---|---|---|---|---|
| 8 | Northpine Lake | | | |
| | Dickison Lake area, Thunder Bay District | GR 123 | | 13, 21 |
| | | MP 43 | | 33 |
| | Rope Lake | | | |
| | Dickison Lake area, Thunder Bay District | GR 123 | | 7, 8 |

GDIF FORM NO. 8

# SELECTED REFERENCES

| Author | Date | Title | Reference | Map Scales and/or Report Pages |
|---|---|---|---|---|
| | | REGIONAL GEOLOGICAL COMPILATION MAPS | | |
| Ayres, L. D., Lumbers, S. B., Milne, V. G., Robeson, D. W. | 1971 | Ontario Geological Map, West Central Sheet. | ODMNA Map 2199 | 1 inch to 16 miles |
| Pye, E. G. | 1968 | Nipigon-Schreiber, Thunder Bay District, Ontario; Geological Compilation Series. Associated maps: 2137, P-357, P-358, P-360. | ODM Map 2232 | 1 inch to 4 miles |
| | | GEOLOGICAL MAPS AND REPORTS | | |
| Bell, R. | 1872 | Report on the Country North of Lake Superior, between the Nipigon and Michipicoten Rivers, Ontario. | GSC Report of Progress 1870-1871, Pt. 8 | |
| Bartley, M. W. | 1940 | Geology of the Big Duck-Aguasabon Lakes Area, Thunder Bay District, Ontario. Accompanied by map 49K. Associated report PR 1939-7. | ODM AR Vol. 49, Pt. 7 | pp. 1-11 2 inches to 1 mile |
| Carter, M. W. | 1975 | Geology of the Dickison Lake Area, NTS 42 E/SW, Thunder Bay District, Ontario. Accompanied by map 2293. Associated map P-690. Associated report OFR 5076. | ODM GR 123 | 1 inch to 1 mile |
| GSC | 1935 | Lake Nipigon Sheet, Ontario. | GSC Map 308A | 1 inch to 8 miles |
| Harcourt, G. A. | 1938 | The Southwestern Part of the Schreiber Area, Thunder Bay District, Ontario. Accompanied by map 47J. Associated report PR 1936-5. | ODM AR Vol. 47, Pt. 9 | pp. 1-28 2 inches to 1 mile |

GDIF FORM NO.9

# SELECTED REFERENCES

| Author | Date | Title | Reference | Map Scales and/or Report Pages |
|---|---|---|---|---|
| Hopkins, P. E. | 1921 | Schreiber-Duck Lake Area, Thunder Bay District, Ontario. Accompanied by map 30A. | ODM AR Vol. 30, Pt. 4 | pp. 1-26<br>1 inch to 1 mile |
| Parks, W. A. | 1902 | The Country East of Nipigon Lake and River. | GSC AR Vol. 14, Pt. A | pp. 105-109 |
| Pye, E. G. | 1964 | Mineral Deposits of the Big Duck Lake Area, District of Thunder Bay, Ontario. Accompanied by map 2023. Associated map P-87. Associated report PR 1961-1. | ODM GR 27 | 4 inches to 1 mile |
| Severin, P. W. A., Balint, F. | 1984 | The Geological Setting of the Winston Lake Massive Sulphide Deposit. | CIM District 4 Field Trip Guide | |
| Tanton, T. L. | 1921 | Nipigon-Schreiber District, Ontario. | GSC Summary Report 1920, Pt. D | pp. 2-7 |
| Wilson, W. J., Collins, W. H. | 1909 | Geological Reconnaissance of a Portion of Algoma, and Thunder Bay Districts, Ontario, and Report on the Region Lying North of Lake Superior between the Pic and Nipigon Rivers, Ontario. Accompanied by map 964. | GSC Separate Report 980 and 1081 | |
| | | GEOPHYSICAL MAPS AND REPORTS | | |
| ODM - GSC | 1963 | Aeromagnetic Map, Dickison Lake (42 E/3). | GSC Map 2140G | 1:63,360 |
| ODM - GSC | 1965 | Aeromagnetic Map, Longlac (42 E). | GSC Map 7102G | 1 inch to 4 miles |
| ODM - GSC | 1970 | Albany River, Algoma, Cochrane, Kenora, Sudbury, Thunder Bay and Timiskaming Districts, Ontario, Aeromagnetic Compilation Map. | ODM Map P-578 | 1 inch to 16 miles |

GDIF FORM NO.9

# SELECTED REFERENCES

| Author | Date | Title | Reference | Map Scales and/or Report Pages |
|---|---|---|---|---|
| | | GEOCHEMICAL MAPS AND REPORTS | | |
| GSC | 1981 | National Geochemical Reconnaissance coloured Compilation Map Series; Lake Superior, Ontario. | GSC - OFR 746 | 1:2,000,000 |
| GSC - OGS | 1978 | Field Operations and Analytical and Statistical Data of Regional Lake Sediment and Water Geochemistry, Schreiber and Part of Longlac, NTS 42 D, 42 E, Thunder Bay District. Accompanied by maps P-1805 to P-1818. | GSC - OGS - OFR 5248 | |
| | | MINERAL POTENTIAL MAPS | | |
| Springer, J. S. | 1978 | Ontario Mineral Potential, Longlac Sheet, NTS 42 E, Thunder Bay and Cochrane Districts, Ontario. | OGS Map P-1527 | 1:250,000 |
| Springer, J. S., et al | 1982 | Mineral Potential Map of Ontario, West Central Sheet, NTS 41/NW, 42/W, 43/SW, 52, 53/SE. | OGS - OFR 5326 | |
| | | SURFICIAL, PLEISTOCENE, TERRAIN ENGINEERING | | |
| Farrand, W. R. | 1960 | Former Shorelines in Western and Northern Lake Superior Basin. | Unpublished PhD. Thesis, University of Michigan | |
| Gartner, J. F. | 1980 | Northern Ontario Engineering Geology Terrain Study 43, Roslyn Lake Area, 42 E/SW, Thunder Bay District, Ontario. Accompanied by map 5079. | NOEGTS 43 | 1:100,000 |
| Surveys and Mapping Branch Department of Energy, Mines and Resources | 1977 | Topographic Map, Dickison Lake Sheet, Thunder Bay District, Ontario (42 E 3). | | 1:50,000 |

GDIF FORM NO.9

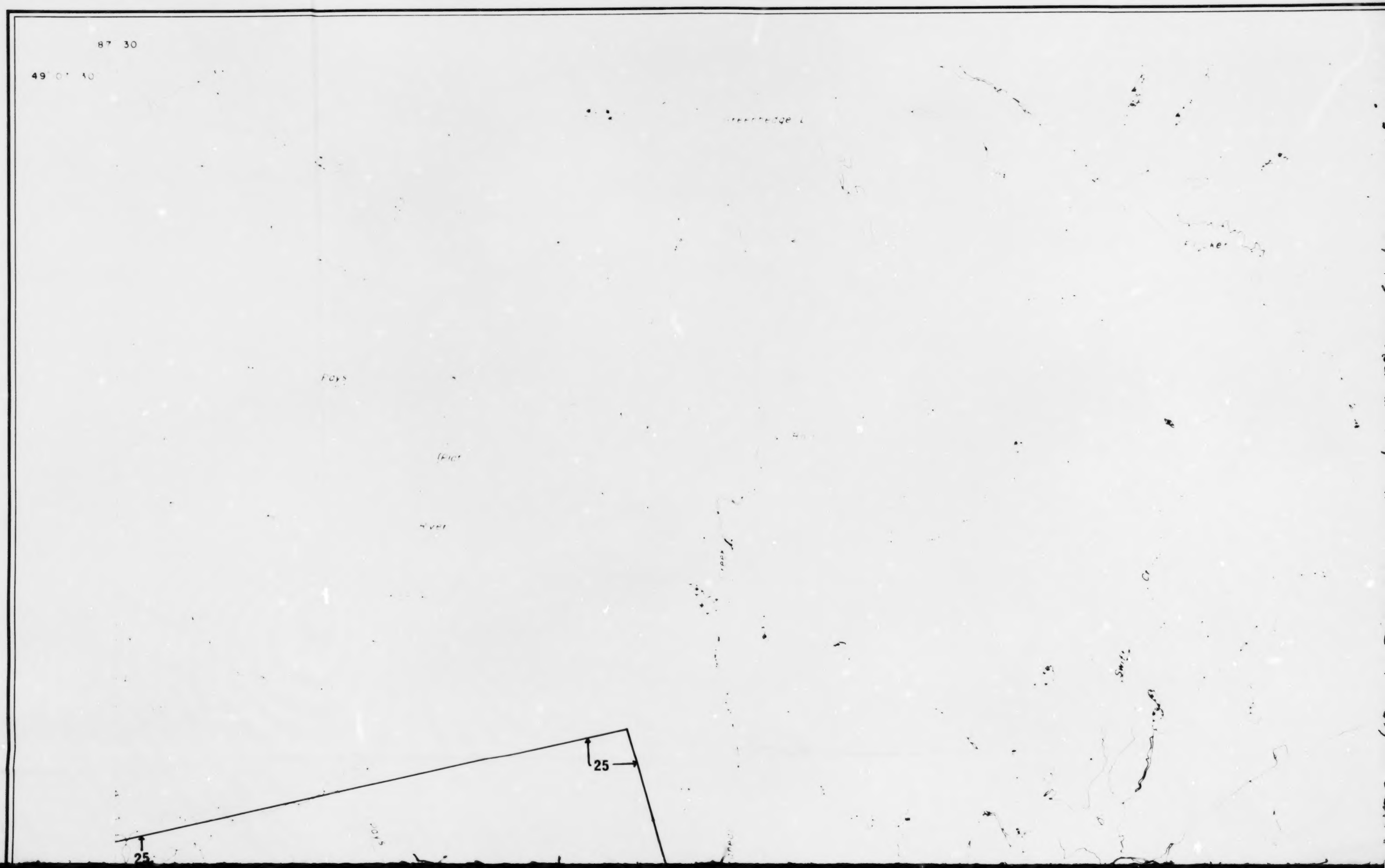
# SELECTED REFERENCES

| Author | Date | Title | Reference | Map Scales and/or Report Pages |
|---|---|---|---|---|
| Zoltai, S. C. | 1965 | Thunder Bay Surficial Geology, NTS 42 D, E, L; 52 A, H, I, Ontario. | ODLF Map S2-65 | 1 inch to 8 miles |
| Zoltai, S. C. | 1967 | Glacial Features of the North Central Lake Superior Region, Ontario. | Canadian Journal of Earth Sciences, Vol. 4, No. 2 | pp. 515-528 |

GDIF FORM NO.9

# NOTES AND ADDENDA

GDIF FORM NO.10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Greenhedge L
Flicker
Pays
River
25
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Ontario

Ministry of Natural Resources

Hon. Michael Harris
Minister

Mary Mogford
Deputy Minister

Ministry of Northern Affairs

Hon. Leo Bernier
Minister

David Hobbs
Deputy Minister

ONTARIO GEOLOGICAL SURVEY

**PROPERTY LOCATION MAP**

**GEOLOGICAL DATA INVENTORY FOLIO 223**

( Map **1** of **3** )

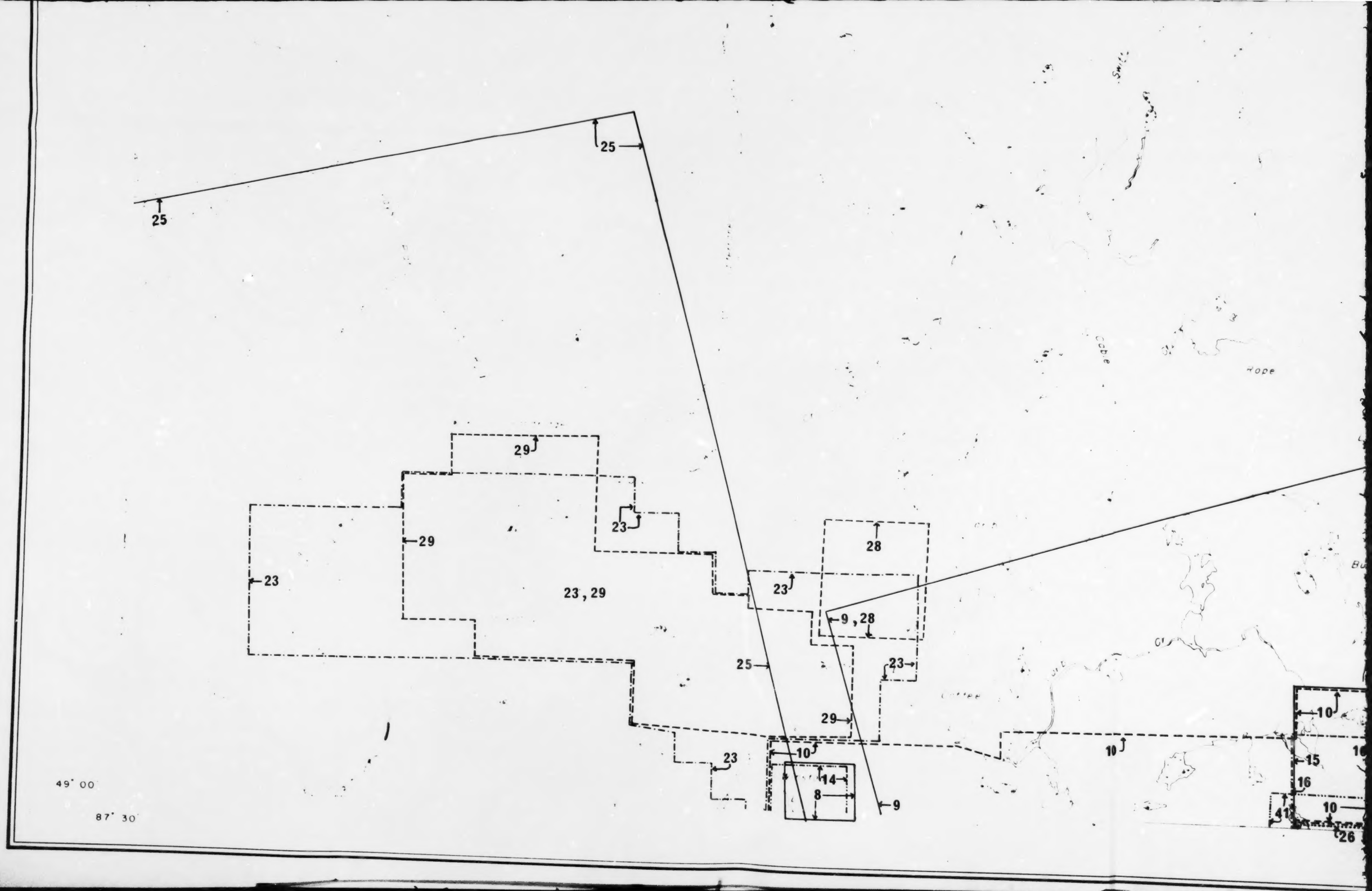
# ROPE LAKE AREA

DISTRICT OF THUNDER BAY

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre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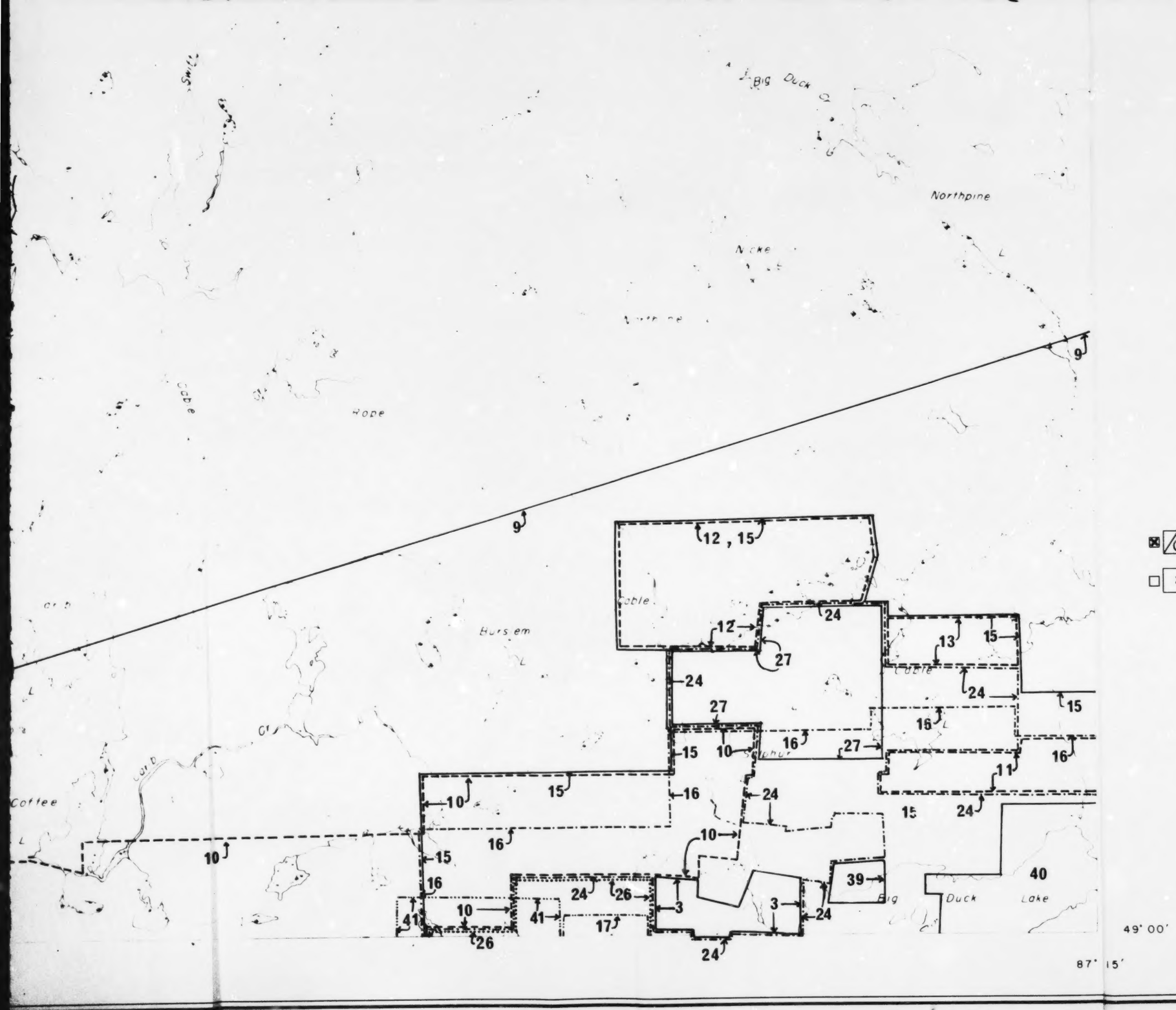
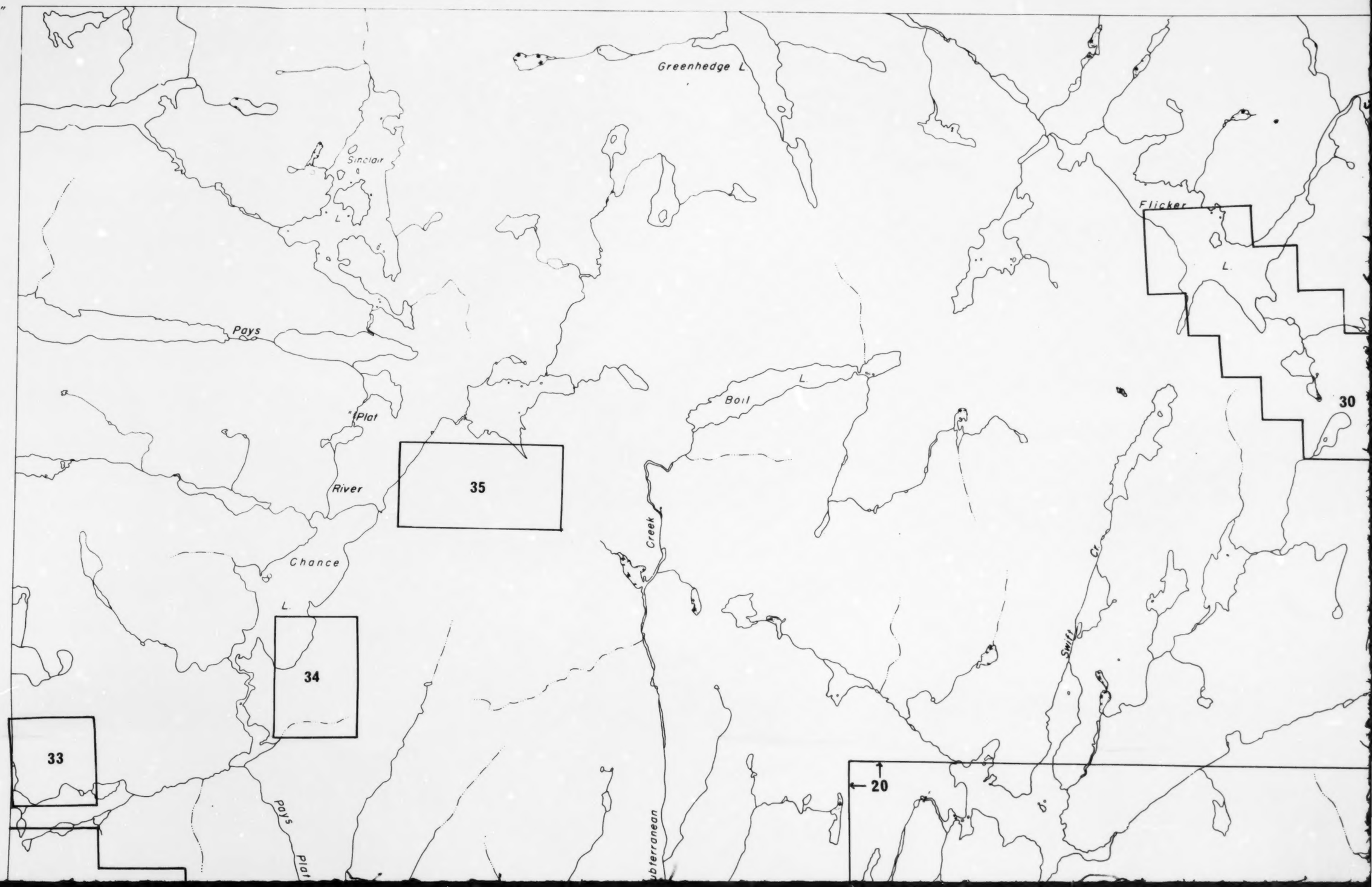
87° 30'

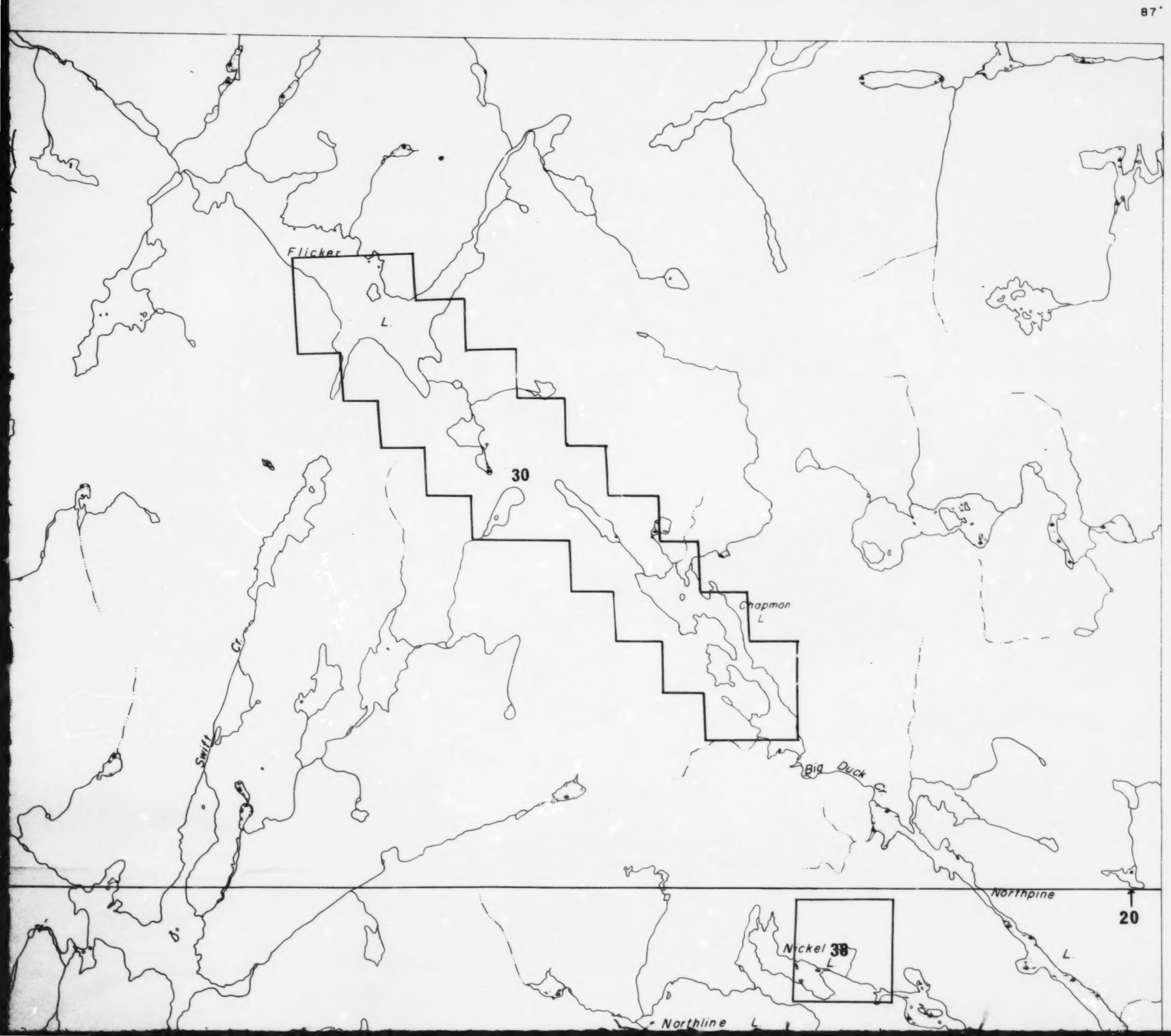



**EXPLORATION DATA FILE AREAS**

Reference number is always inside work area outlined. See listing in text pages.

Small area of exploration.


87° 30′
49° 07′ 30″
Greenhedge L.
Sinclair
L.
Flicker
L.
Pays
Plat
River
Chance
L.
Boil
L.
Creek
Swift
Ct.
Pays
Plat
Subterranean
30
35
34
33
20




Ontario

Ministry of Natural Resources

Hon. Michael Harris
Minister

Mary Mogford
Deputy Minister

Ministry of Northern Affairs

Hon. Leo Bernier
Minister

David Hobbs
Deputy Minister

ONTARIO GEOLOGICAL SURVEY

**PROPERTY LOCATION MAP**

**GEOLOGICAL DATA INVENTORY FOLIO 223**

( Map **2** of **3** )

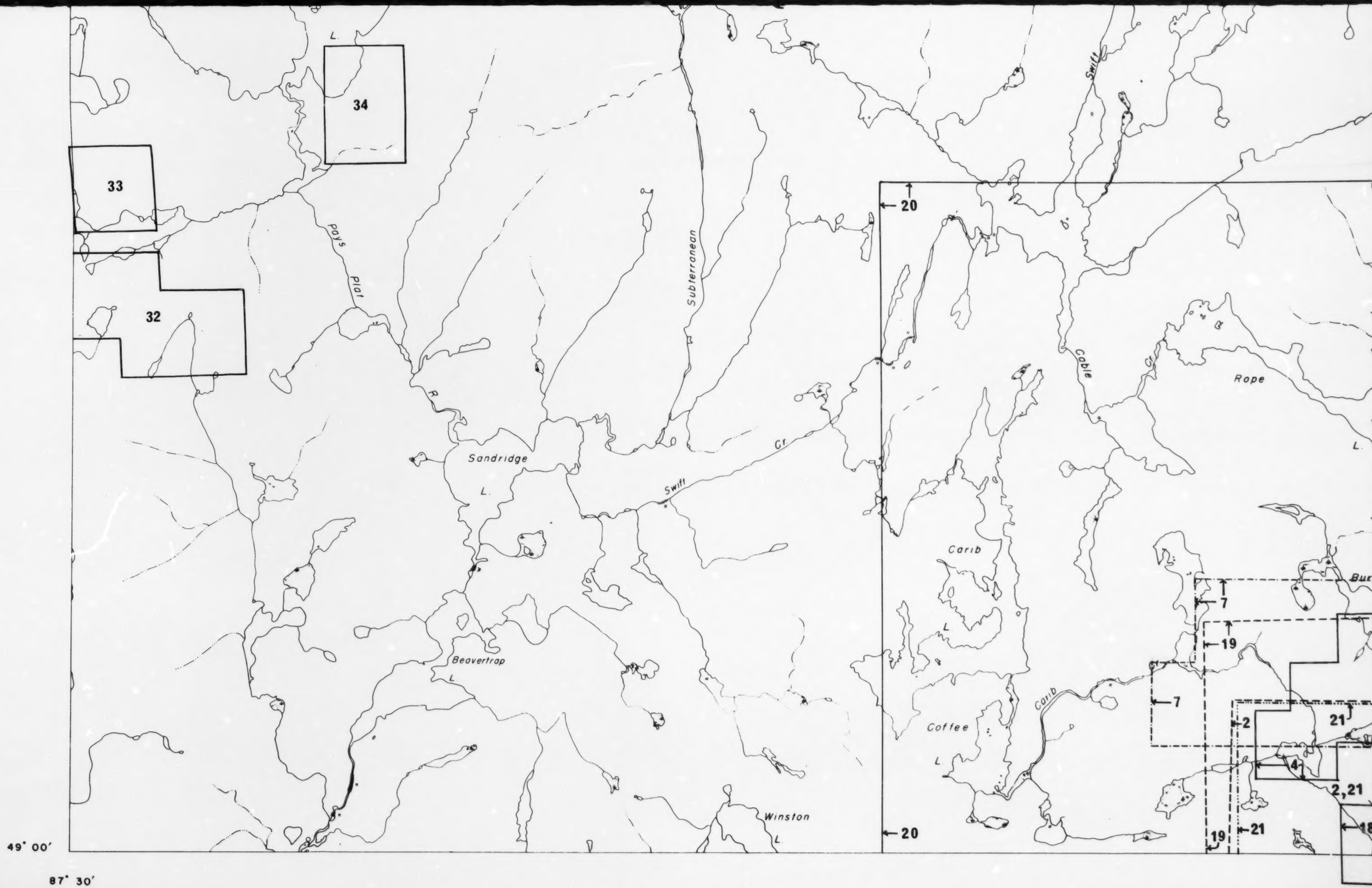
# ROPE LAKE AREA

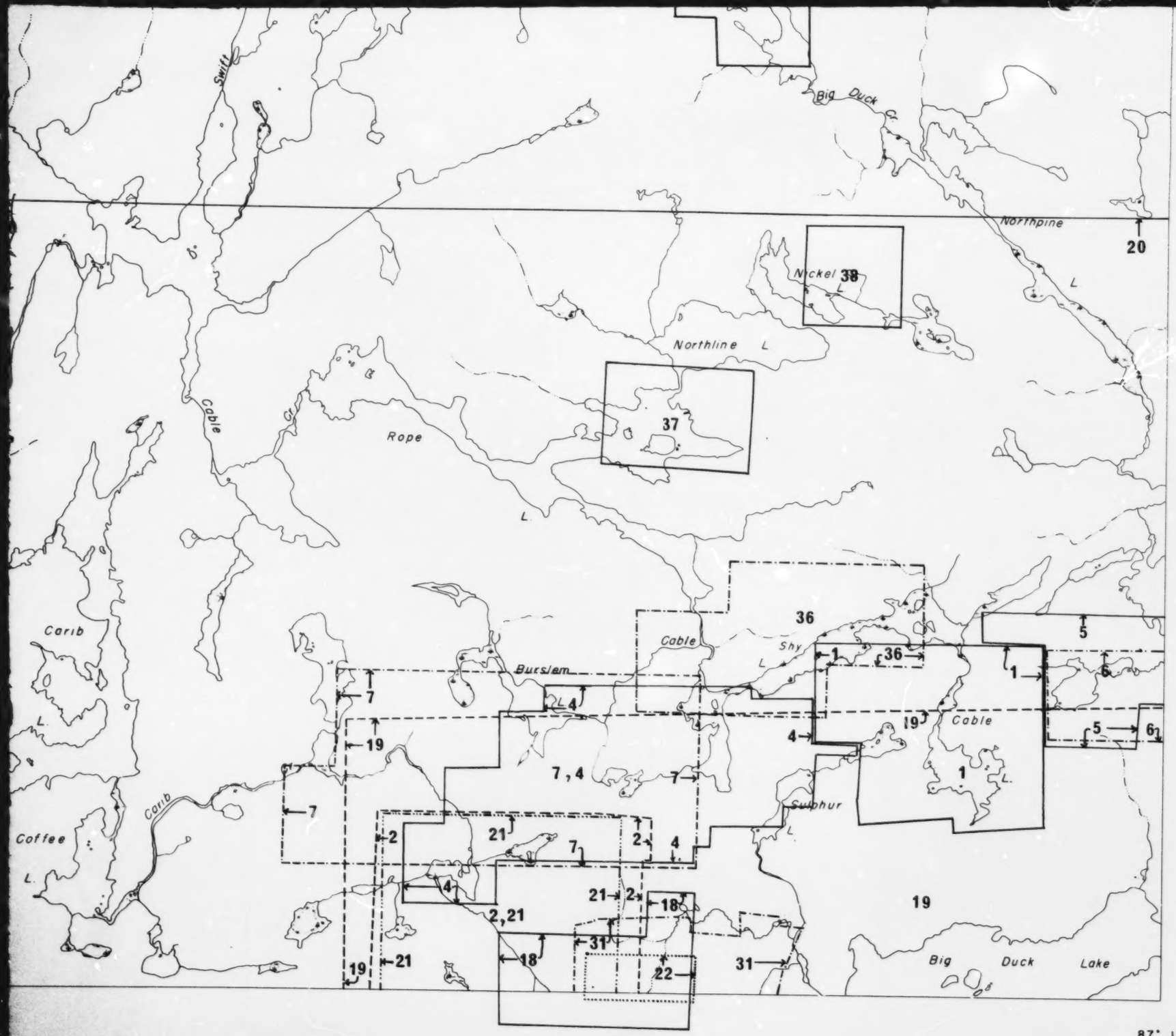
DISTRICT OF THUNDER BAY

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre


34
33
32
L.
Pays Plat
R.
Subterranean
Sandridge
L.
Swift
Cr.
Beavertrap
L.
Winston
L.
Swift
20
Cable
Cr.
Rope
L.
Carib
L.
Coffee
L.
Carib
7
19
7
2
21
4
2,21
19
21
20
49° 00′
87° 30′




## EXPLORATION DATA FILE AREAS

Reference number is always inside work area outlined. See listing in text pages.

Small area of exploration.

87° 30′

49° 07′ 30″

TYPES OF DATA SHOWN ON THIS MAP

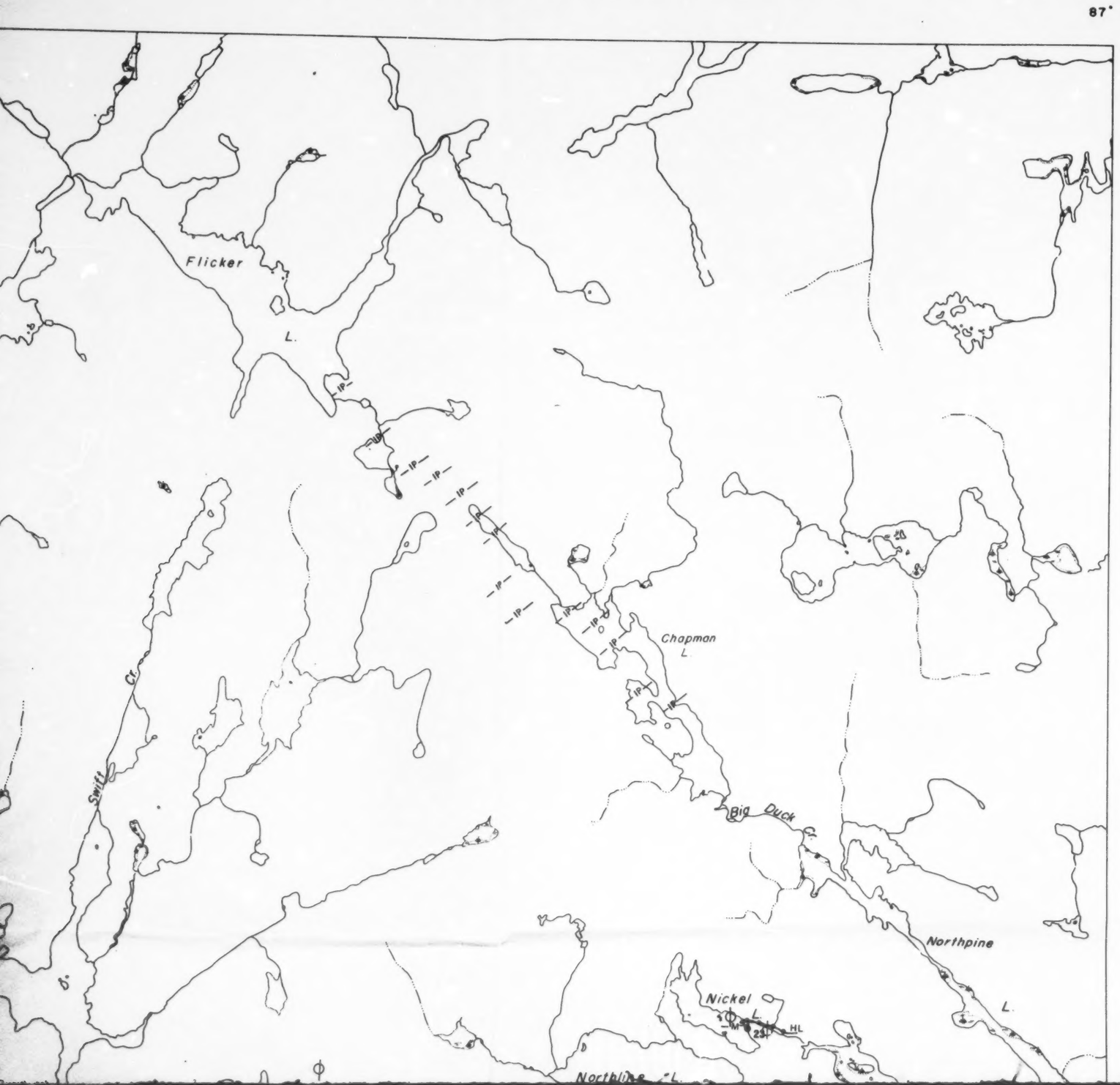
## GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

- ☐ Geochemical sample site, with reference number
- ☒ Area of geochemical sampling, with reference number
- ☐ Age dating material sampling site, with reference number

## GEOPHYSICAL ANOMALIES

- ☒ AM — Airborne Magnetometer Anomaly
- ☐ Airborne Electromagnetometer Anomaly Length of anomaly along flight line
- ☒ Airborne Electromagnetometer Anomaly. Location of anomaly along flight line
- ☐ Airborne Electromagnetometer Anomaly Conductor Axis: definite, probable, possible
- ☐ ARA — Airborne Radiometric Anomaly
- ☒ M — Ground Magnetometer Anomaly
- ☒ VL — Ground Electromagnetometer Anomaly (VL - Vertical Loop; HL - Horizontal Loop; VLF - Very low freq; Turam; JEM - Crone EM - 16)
- ☐ RA — Ground Radiometric Anomaly
- ☒ IP — Induced Polarization Anomaly
- ☒ SP — Self Potential Anomaly
- ☐ AFMAG — Audio-frequency magnetometer anomaly (total intensity)
- ☐ R — Resistivity Anomaly

Greenhedge L.
Sinclair
L.
Flicker
L.
Pays
Plat
River
Chance
L.
Boil
L.
Creek
Subterranean
Swift
Cr.
Chapman
L.
Big Duck
Cr.
Nickel
L.
Northline L.
Pays
Plat
M
HL
IP

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ONTARIO GEOLOGICAL SURVEY

**EXPLORATION DATA MAP**

**GEOLOGICAL DATA INVENTORY FOLIO 223**

( Map **3** of **3** )

# ROPE LAKE AREA

DISTRICT OF THUNDER BAY

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre

## GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

### MINERAL OCCURRENCES

cp A. — Mineral occurrence at surface, with reference letter

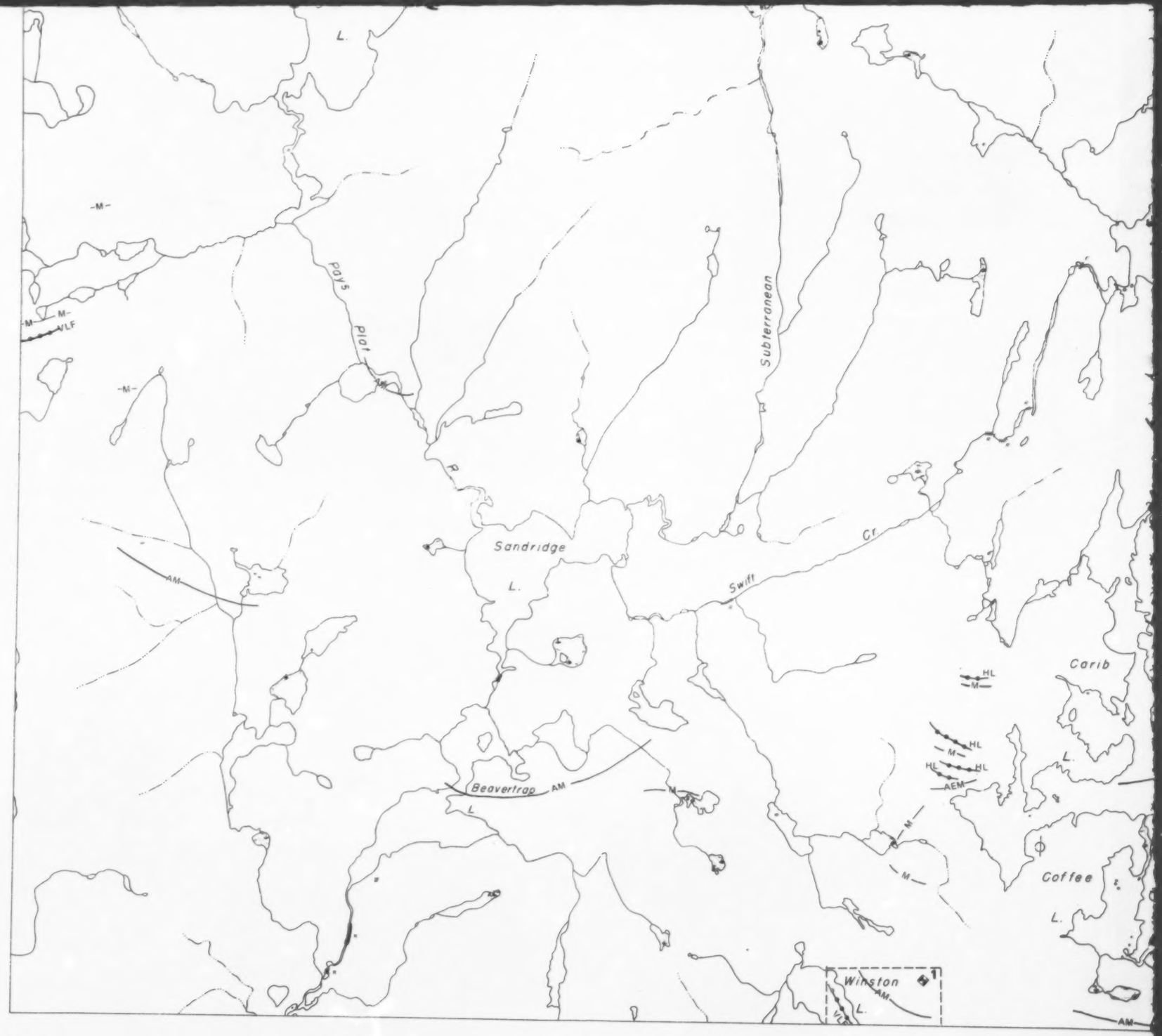
Au A. 84' — Mineral occurrence with shaft, depth given with reference letter

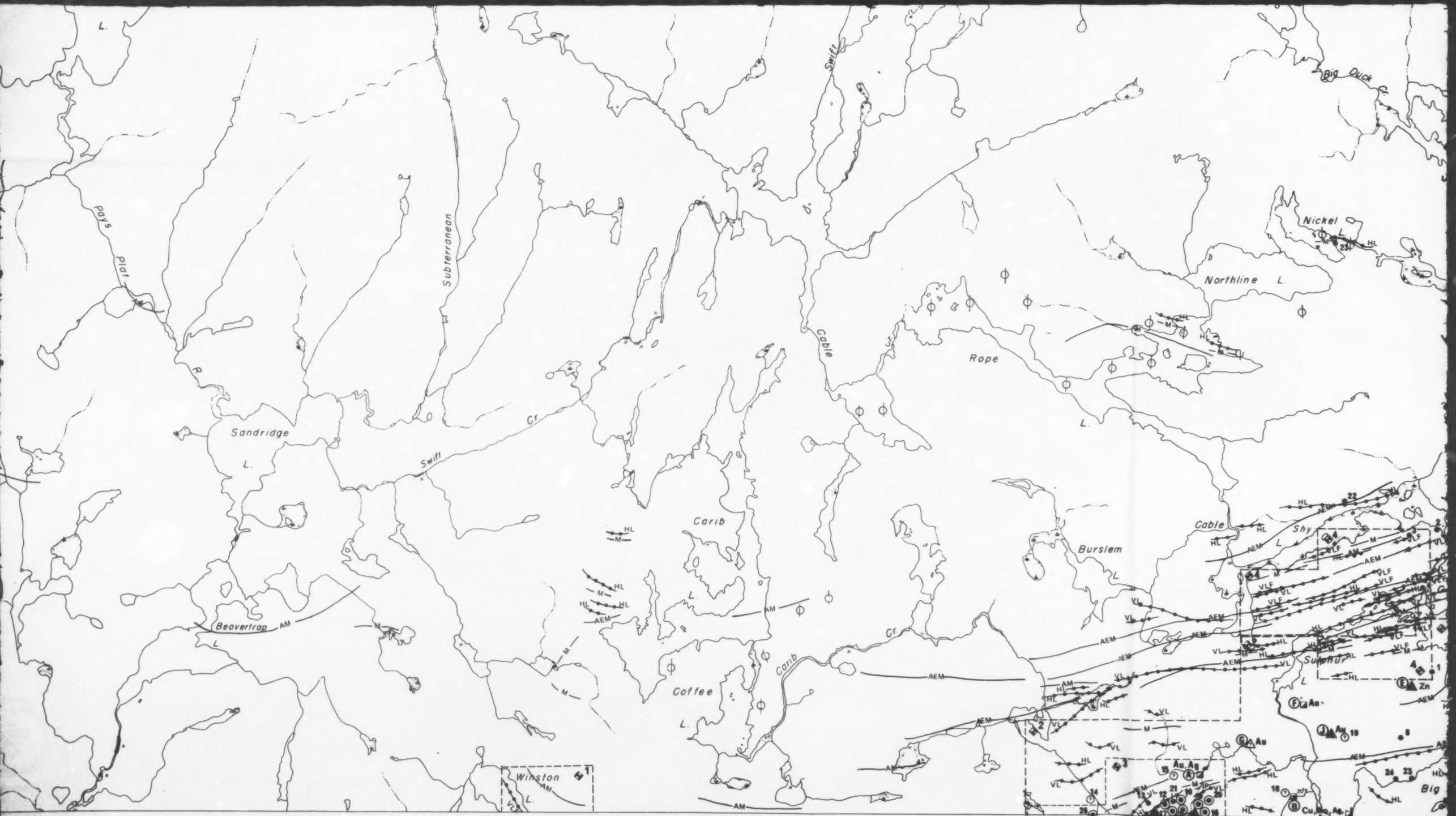
- ☐ Airborne Electromagnetometer Anomaly Conductor Axis: definite, probable, possible
- ☐ ARA — Airborne Radiometric Anomaly
- ☒ M — Ground Magnetometer Anomaly
- ☒ VL — Ground Electromagnetometer Anomaly (VL - Vertical Loop; HL - Horizontal Loop; VLF - Very low freq; Turam; JEM - Crone EM - 16)
- ☐ RA — Ground Radiometric Anomaly
- ☒ IP — Induced Polarization Anomaly
- ☒ SP — Self Potential Anomaly
- ☐ AFMAG — Audio-frequency magnetometer anomaly (total intensity)
- ☐ R — Resistivity Anomaly
- ☐ GR — Gravity Anomaly
- ☒ AEM — Airborne Electromagnetic Anomaly

## MISCELLANEOUS DATA

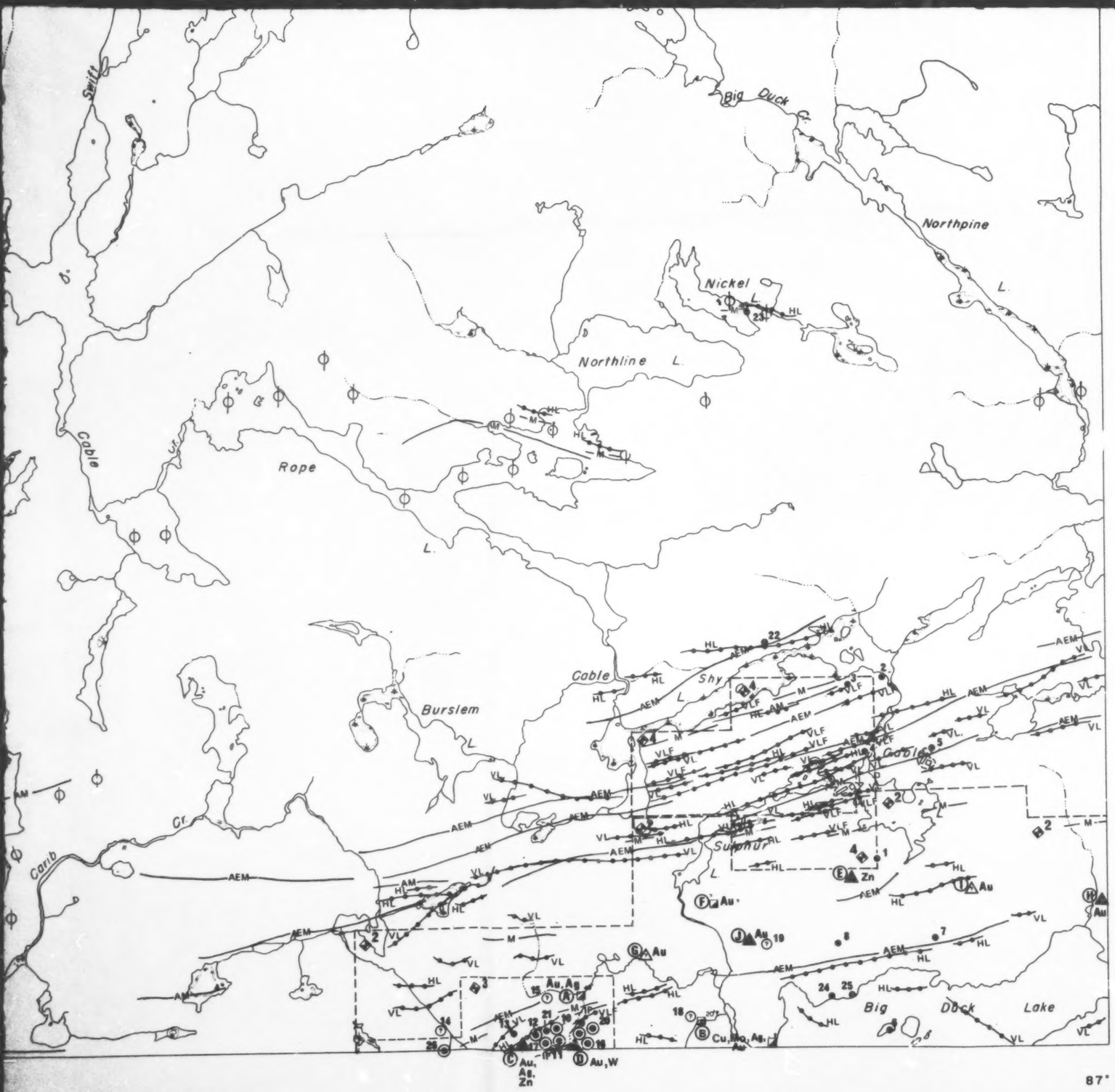
- ☒ Trenching, pit
- ☐ Rock quarry
- ☐ Adit
- ☐ Sand and/or gravel pit
- ☐ Open pit
- ☒ Area of pits and trenches

**NOTE:** Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.





Pays Plat
R.
Sandridge
L.
Subterranean
Swift
Cr.
Swift
Cable
Cr.
Rope
L.
Nickel
L.
Northline L.
Big Duck Cr.
Carib
L.
Coffee
L.
Carib
Cr.
Burslem
L.
Cable
Shy
L.
Sulphur
L.
Beavertrap
L.
Winston
L.
Big




## GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

### MINERAL OCCURRENCES

- Mineral occurrence at surface, with reference letter
- Mineral occurrence with shaft, depth given with reference letter
- Mineral occurrence reported but exact location uncertain, with reference letter
- Mineralized Float with reference letter

### DRILL HOLES

- Location of single drill hole, with reference number
- Location of closely spaced group of drill holes, with reference number
- Drill hole, exact location uncertain, with reference number.
- Property with underground drill holes in this general area, with reference number
- Property with drill holes which have not been plotted on map, with reference number
- Reverse Circulation Drill Hole; Churn drilling, with reference number